WHAT IS CLAIMED IS:

1. A pump, such as a vane-type pump or a roller-cell pump, in particular a transmission pump, having a double-stroke delivery contour, the delivery contour having at least one rise zone, at least one large circle region, at least one fall zone, and at least one small circle region, and, within the delivery contour, the pump having a rotor having radially displaceable vanes or rollers in radial rotor slots,
wherein the angular range of the large circle region of the delivery contour is lengthened as compared to a standard pump; in particular, in the case of a 10-vane pump, the large circle region of the delivery contour is at least 10°-15°, preferably 13° larger than the angular pitch of the vane positions in the rotor (36°) of a 10-vane standard pump; and in the case of a 12-vane pump, the large circle region of the delivery contour is at least 16°-25°, preferably 22° larger than the angular pitch of the vane positions in the rotor (30°) of a 12-vane standard pump.

2. The pump as recited in claim 1,
wherein the length of the suction region remains substantially the same as that of a standard pump.

3. The pump as recited in claim 1 or 2,
wherein, in the case of the 12-vane pump, the turning points of the displacement contour function in the direction from the suction region to the pressure region are spaced apart by approximately 3.5 x the vane pitch (vane pitch = 30°), and the turning points of the displacement contour function in the direction from the pressure region to the suction region are spaced apart by approximately 2.5 x the vane pitch.

4. The pump as recited in claim 1 or 2,
wherein, in the case of the 10-vane pump, the turning points of the displacement contour function are shifted by approximately 3° in direction of rotation as compared to a 10-vane standard delivery contour.